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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/661,081	09/12/2003	William R. Stagi	UTLX121681	7102
26389	7590	10/14/2004	EXAMINER	
CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC			TUROCY, DAVID P	
1420 FIFTH AVENUE			ART UNIT	
SUITE 2800			PAPER NUMBER	
SEATTLE, WA 98101-2347			1762	

DATE MAILED: 10/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/661,081

Applicant(s)

STAGI, WILLIAM R.

Examiner

David Turocy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because various minor informalities exist in the drawing. Figures 3-5 show items 12 and 13 as the same, contrary to Figure 2. Figure 1 and Figure 4 displays both numbers 12 and 22 drawn to the conductive wire, placement of 22 contrary to Figure 5. Figure 5 shows a lead line with an absent number located between numbers 10 and 12. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by US Patent 5045119 by Dohner ("Dohner").

Dohner teaches of a method for cleaning and restoring of an electrical cable particularly useful for cleaning and restoring electrical properties to paper insulated cables (Abstract). Dohner teaches of introducing the restorative formulation, or

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compound, into the paper, a fibrous, insulation layer of the cable by passing the compound through the cable (Column 2, line 63-68).

3. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 4414355 by Pokorny ("Pokorny").

Pokorny teaches of a restorative composition when a paper or polyethylene insulation has degraded (Column 1, lines 61-65). Pokorny also discloses a method for introducing the composition into a fibrous insulation layer by various techniques, where the composition has an adhesive property towards paper where the composition penetrates the insulation surface to re-establish a thin layer of insulation where the paper insulation has degraded (Column 2 lines 3-20, Column 4 lines 63-68).

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over "Exhibitor Products" Transmission and Distribution World, 1 April, 2002 ("Exhibitor Products") in view of US Patent 4752997 by Freeman et al. ("Freeman").

Exhibitor Products teaches of a introducing a silicon restorative compound by injection for telephone cables to restores the bandwidth of aging copper (Page 11-12). However, Exhibitor Products fails to teach of a fibrous insulation layer.

However, Freeman et al teaches that telephone cables normally comprise a plurality of wires where each wire is individually insulated by paper, a fibrous material (Column 1 lines 22-26). Also Freeman discloses that water damage can cause various problems to the telephone wires (Column 1 lines 40-45).

Therefore, it would have been obvious to one skilled in the art at the time of the invention to modify Exhibition Products to use the paper insulation telephone cable as suggested by Freeman to provide a desirable restoration of insulation because Exhibition Products teaches of an injection of restorative compound to remove water and Freeman teaches of water damage to a fibrous insulation telephone wire.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent 6517366 by Bertini et al teaches of a method for introducing a fluid to a cable. Bertini, Glen and Jon Pilling. "Incorporating CableCure injection into a cost-effective reliability program." IEEE Industry Applications Magazine September/October 2000 teaches of electric cables receiving an injection of restorative compound for water damage. Rural Utilities Service, Summary of Items of Engineering Interest, by the United States Department of Agriculture October 2001 (Page 15)

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teaches of a injection of silicon compound to rehabilitate the insulation of cables with stranded conductors.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Turocy whose telephone number is (571) 272-2940. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on (571) 272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Turocy  
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